THE EVENING WORLDS RADIO PHONE SERVICE COLUMN

By Capt. Robt. Scofield Wood. cast station WJZ at Newark, from which his words will be broadcast an (D. F. C., M. C., Croix de Guerre with four palms; formerly Commander 167th Squadron, Royal Air Forces.) A RADIO UNIT FOR \$25.

PART TWO. The second part of this article is to b devoted to the assemblage of the neces sary parts of a single tube detector amplifier regenerative receiving set. In the accompanying sketch you will find every detail of the installation and as-

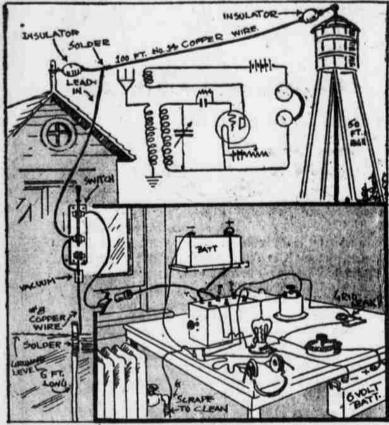
picked up by a receiving set installed in the Long Island City plant. Eight loud speakers have been installed in the building itself and in a large circus tent that has been erected alongside of

he factory.

Mr. Ford is one of the first prominen executives to make use of this nove method of communication to talk to his

RADIO DANCE FOR B BATTERY,

semblage of this set. The small parts have been accentuated for the purpose of clarity—for instance, the insulators on the serial are represented greatly



eut of proportion, as are several other amail important parts.

Realizing the difficulty that some enthusiastic radio folks have in reading the conventional symbols of the ordinary of the convention of the co nary hook-up, we have departed from the technical orthodox layout, and in a novel way show in the accompanying picture, so that any child can follow. the wiring and relative position of the

The aerial, as can be seen, is strung well above all surrounding objects and is a little over 100 feet long. The wire to use is stranded copper wire and inulated with two ball insulators five inches in length, which can be purchased for about 15 cents each. The connection of the lead-in to the aerial is soldered and then brought down the wall on insulated brackets giving a e of five inches between the wal he building and the lead-in wire lead-in wire should be rubber cov-The lead-in wire should be rubber covered and the same gauge as the aerial, which is No. 14 B, & S. It should be brought into the house through an insulating tube in the wall or a wooden bulkhead set conveniently in a window. To the centre pole of a 500-volt lightning switch the lead-in wire is soldered. In the lightning ground circuit is

In the lightning ground circuit is placed a vacuum gap lightning arrester which is always on guard in the event of accident from electric storms, whether the instrument is in operation or not. The outside or lightning ground is just a steel bar driven in to the ground about seven feet to which the No. 8 lightning ground copper wire

is soldered.

The tuning device is the lattice weave spider coils described in Saturday's article. We will run through the instruments in the order of their line-up in the complete circuit and give the price of each in passing. The sketch is so very plain and descriptive that it leaves very little to be said.

The aerial is attached to one of the "P" primary binding posts on the top of the coil box and the inside ground which is made to a water pipe or radiator is made to the other "P" post. Next the secondary coil is attached by means of its binding posts to the variable condenser. From this condenser on wire goes to the fixed condenser

nt rheostat complete..... Pilament rheostat complete
Grid leak
Fixed condenser .00025 hif
43 Plate variable condenser
Pair et 1,500 ohm phones
22 voit 'B' battery
—Six wolt storage battery or dry cell
batteries
—Binding posts

Dry cell batteries may be used in place of the expensive 6 volt storage battery, which costs from \$15 to \$60. The dry cells will only cost 20 cents apiece. The wire and solder and a few screws will be all that is needed. The sarial wire and insulators, plus the cost of the spider coils, will bring the total up to about \$25.

FORD TO SPEAK BY ADIO.

Henry Ford will use the die telephone to-night at 7.30 P. M. to make a
six-minute address to 5,000 automobile
and tractor dealers at works of the
Hellman Motor Sales Company, Bridge
Plana, Long Island City.

Mr. Ford will speak by long distance
phone from Detroit to the radio broad-

K D K A (Pittsburgh) 340 Metres

7.30 P. M .- "Twelve White Swans,"

bedtime story for the children.

7.45—Government market reparts, and a report of the New York Stock Exchange.

8.00—Address by Marcus Rauh, President of the Pittsburgh Chamber of Commerce. Address by Dr. H. Foster Bain, Director of the Eureau of Mines. Review of business conditions by the National Industrial Conference Board.
"The Human Side of Banking," by J. O. Miller, President of the East End Savings and Trust Company, Pitta-8.30-Music.

8.30—Music.
9.00—News.
9.05 to 9.30—Music. Programme by
Grace Sefton Mayer, soprano; Ferdihand Pomayer, violinist, and Miss
Esther Sprenkel, accompanist.
9.55 to 10.00—Arlington time signals.

W J Z (Newark) 360 Metres

Features for the day: Music every hour from 11 A. M. Agricultural reports at 12 M. and

M. and 2.55 to 10 P. M.

Babson statistical reports.

Shipping news at 2.05 P. M.

Weather reports at 11 A. M., 12 M.,

5 P. M. and 10.01 P. M.

7.00 P. M.—Anderson's Fairy Tales translated by Signe Toksvig, read by Mr. Garton; courtesy of MacMillan Company. Mr. Garton will speak to the parents for a few minutes at 7.25 about the Juvenile Latter Library, which he originated, and the selection of children's books.

7.30 P. M.—"Death of Sitting Bull." by Capt. Frank Winch (the man with the radio voice), another frontier talk

the radio voice), another frontier talk of historic interest which will include a thrilling description of the tragic and frenzied Indian ghost dance. Capt. Winch, famous angler and big game unter, has proved to be one of the mo-opular speakers ever heard over th

radio phone and is continuing his series of authoritative addresses of Western life by request. 8.00 to 9.30 P. M.—Concert under the direction of Chas. D. Isaacson, edito Our Family Music. New York Evening Mall. Programme: The Gwali Welsh Glee Club of thirty-five men. Mis Grace Paul at the piano: "The Crusa ders." Prothroe; "Sweet Bye and Bye."
Prothroe: "The Martyr of the Arena,"
de Roillie; "Lovely Maiden." Evans
"Castillia," Prothroe; "March of the
Men of Harlich" (Welsh patriotic

Miss Meiba McCreery, soprano; Miss Rhea Silberta at the piano; "Aria From 'Alda." Verdi; "At the Well." Hageman; "A Birthday," Woodman. Miss Maud Morgan, harpist; "La-mento," Hasselmans; "Fairy Legend."

vary the programme.

In addition to the radio attraction there will be an indoor polo match and a game of mounted basketball. "Face to Face With Lalo." Charle J. C. Freund (editor and owner Mu sical America, "The Great World Cre

138 K. K. K. INVADE CHURCH. Rhys Morgan, tenor; Justine Will-lams at the plano, "Sound an 'Alarm," Handel. Hooded, They Give Pastor Money

at the plane; "Oh, Paradise" ("La Africaine"), Meyerbeer; "Mintru Gwin" (Weish folk song). 2.33 P. M. to 10.15 P. M.—Claremont Maie Quartet, William J. Shears, tenor; Frederick Baldwin, tenor; Dr. Howard Applegate, baritone; J. Leon Hedden, bass; Julius C. Zingg, F. A. G. O., accompanist and directors. Programme: Quartet, "Lost Chord," Sullivan; "Cotton Dolly," Geibel; "Cock Robin," Woodruff; "Little Tommy," Macy; "Rosary," Nevin, "Kentucky," Macy: "Rosary." Nevin: "Kenucky Babe," Gelbel: "Secrets." Smith: "An-nie Laurie," arr. Gelbel: "The Tack. Parks: "Stars of the Summer Night: "Uncle Moon, Scott: "Shadow March," Prothroc: sextet from "Lucia." March. Frothroe: sextet from "Lucia."
Donizetti: Solo by Mr. Shears, "Liftle Mother o' Mine." Burleigh: solo
by Dr. Applegate, "Mandalay," Speaks:
"Lindy Lee," Strickland. Solo by
Mr. Baldwin, selected. Solo by Mr.
Hedden, "Armorers zong," De Koven:
duet by Mr. Baldwin and Dr. Applegate from "La Boheme," Puccini.

Samuel Roberts, tenor; Mr. Williams BALTIMORE, April 17 .- In full regalla, Knights of the Ku Klux Klan, following the example of two weeks ago, visited another Baltimore church last night and presented to the pastor an envelope supposed to contain money for charitable purposes. Last night it The congregation, said usually ay nights to number only abou e street. The pastor, the Rev. J. W.

ord, informed the congregation of chat was coming and urged that there is no disorder.

After the service began thirty-eight men arrived in six automobiles. They went into a basement and put on their robes. The leader, whose robe



MEN'S oxfords in the new spring patterns and leathers at six-fifty are now featured at all Walk-Over stores. It is a permanent Walk-Over price and is featured to show every man in New York the money's worth Walk-Over has made possible at \$6.50.

Walk-Over

New York City Stores 510 Fifth Avenue, between 42d and 43d Sts.
179 Broadway, near Cortlandt St 1432 Broadway at 40th St. 252 W. 125th St.
1173-75 Broadway, near 28th St 1625 Broadway, near 50th St. 622 W. 181st St.

Brooklyn 1355 Broadway, near Gates Ave. 565-7 Fulton St., opp. Henover Place

Yonkers, N. Y.—7 N. Broadway Paterson, N. J.—181 Market St. Poughkeepsie, N. Y.—297 Main St.

Gekco, Phoenix, and Van Raalte Hosiery

To the man who is on his feet all day

CTANDING or walking all day long on hard floors and pavements is an unnatural strain.

The human foot was designed for soft dirt paths. Under modern conditions even the strongest physique suffers.

Of course hard leather heels give no relief. Ordinary rubber heels are little better. Some are soft, crumbly rubber that wears down quickly-others are so hard and lifeless that you might as well wear leather.

O'Sullivan's Safety Cushion Heels give you perfect protection. They combine just the right toughness for long hard wear with the greatest amount of springiness.

You'll never know how much a real shock-absorber can help you in your work until you wear O'Sullivan's. The strain of standing—the jar of walking— O'Sullivan's absorb them both.

The price of O'Sullivan's to you is generally the same as the price of ordinary heels, in spite of the fact that O'Sullivan's cost the dealer more. Your repairman could make a bigger immediate profit on any one of half a dozen substitutes-but when he puts on O'Sullivan's, he knows you'll bring trade to him again.

Ask for O'Sullivan's Safety Cushion Heels when you leave your shoes-see that they are attached. The O'Sullivan Heel Company.



Hard leather heels cannot protect you



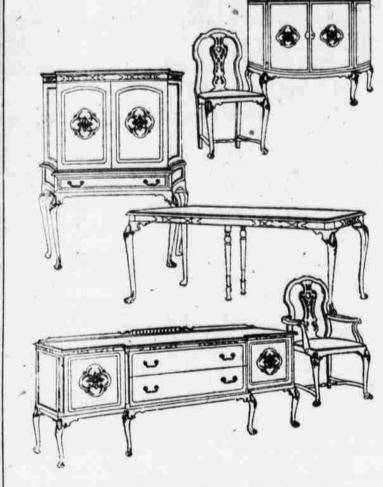
-either too hard or



O'Sullivan's Safety Cushion Heels have maximum springiness combined with long life

Lord & Taylor

FIFTH AVENUE



Two Advance Days Before the

7-Day Furniture Sale

TUESDAY and Wednesday are still left to you to come in and inspect our complete floor of furniture, and to reserve any piece or suite you wish, before the opening of our 7-Day Furniture Sale.

Here you will find furniture that reveals not only the character of the master craftsmen of old but that fine tradition of durability which has survived for ages.

SIXTH FLOOR

Seven Reasons

for this Seven-Day Sale

THE limit of 7 days permits us to radically

> such a short period. April showers bring May desires for refreshing new things in the home.

reduce our prices for

Inexpensive occasional pieces, of rare grace, furnish the right note to complete a

This spring will have a very large quota of brides, and brides must have new furn-

Spring housecleaning is near and always reveals many needs in the way of mattresses, pillows, springs, etc.

Summer porches, gardens and sun rooms will soon call you to furnish them attract-

A trip through our Sixth Floor will convince you of the real charm and dignity of the furniture in this



Stern Brothers

WEST 42d ST.

Apparel and Dress Accessories for Women of Full Proportions

Just as much careful thought and painstaking skill have gone into the designing and workmanship of our apparel for the woman of extra size as for the smaller, more medium type-all of the prevailing modes have been adapted, not changed, to meet her needs-slenderized, and kept, first and foremost, youthful in line.

Happily, every item of her wardrobe can be selected here so as to reflect her own individuality and taste. Whatever material, shade, or fashion she most prefers she will find here. Not special styles just for stout women, but all styles especially for large women.

SUITS-Hand-tailored suits in a wide assortment, cut scientifically along youthful and slender lines. Sizes 401/2 to 521/2. Priced from 38.00 to 145.00.

COATS and COAT-WRAPS-for all occasions, in all styles and colors. Sizes 401/2 to 521/2. Priced from 39.50 to 125.00.

DRESSES-Youthful models in tailored, afternoon and evening gowns of any and every kind. Sizes 401/2 to 501/2. Priced from 24.50 to 135.00.

SEPARATE SKIRTS-for women who require extra sizes in waist bands and hip measure, and who also desire the utmost in smartness. Sizes 34 to

CORSETS-Every possible effort is made to make the fittings as perfect as the corsets themselves. All models for all wear, in medium, low and high styles. Sizes 28 to 38. Priced from 9.00 to 29.50.

BRASSIERES-Wide bandeau styles in brocade and heavy satin, hook front or back. Sizes 38 to 50. Priced from 1.50 to 7.00.

SILK LINGERIE

Nightgowns. Sizes 46 to 50. Priced from 7.50 to 16.50. Envelope Chemises. Priced from 5.95 to 10.50. Bloomers. Priced from 5.95 to 12.50.

40 waist band. Priced from 9.50 to 24.50.